CLAIMS

What is claimed is:

1. A method for encapsulating a bus interface selecting request within a common transport message that facilitates usage with bus interface constructs, comprising:

receiving a common transport message by a host bus adapter;

modifying the common transport message in the host bus adapter to contain a bus message passing request; and

transmitting the modified common transport message from the host bus adapter to a remote host bus adapter.

2. The method of Claim 1, wherein the common transport message is compliant with a Fibre Channel General Service Common Transport Protocol.

3. The method of Claim 1, wherein the common transport message is compliant with a Fibre Channel General Services Common Transport version 3 (FC-GS-3) Protocol.

4. The method of Claim 1, wherein the common transport message is modifiable to identify a bus type.

5. The method of Claim 4, wherein the bus type is SAS.

6. The method of Claim 4, wherein the bus type is Fibre Channel (FC).

7. The method of Claim 4, wherein the bus type is Infiniband.

8. The method of Claim 4, wherein the bus type is Internet Small Computer

System Interface (iSCSI).

9. The method of Claim 4, wherein the bus message passing request is a Message Passing Technology request.

10. A system for remote host bus adapter management, comprising:

a local host bus adapter;

a remote host bus adapter; and

switching and routing means for communicatively coupling the local host bus adapter and the remote host bus adapter, wherein the local host bus adapter is capable of managing the remote host bus adapter through a bus interface.

11. The system of Claim 10, wherein the switching and routing means includes a Fibre Channel link.

12. The system of Claim 10, wherein the local host bus adapter receives a bus interface message request from a local software application.

13. The system of Claim 12, wherein the local host bus adapter includes a local bus interface message software driver and local bus interface message hardware and firmware.

14. The system of Claim 13, wherein the local bus interface message software driver receives the bus interface message request from the local software application.

15. The system of Claim 14, wherein the local bus interface message software driver forwards the bus interface message request to the local bus interface message hardware and firmware for execution to modify a remote host bus adapter management protocol message to include the bus interface message request.

16. The system of Claim 15, wherein the multibus local host bus adapter ascertains that the remote host bus adapter is capable of receiving and acting upon the bus

interface message request.

17. The system of Claim 16, if it is ascertained that the remote host bus adapter is capable of receiving and acting upon the bus interface message request, the remote host bus adapter is provided with the modified remote host bus adapter management protocol message.

18. A method for managing a remote host bus adapter, comprising:
acquiring a Peripheral Component Interconnect (PCI) message request;
encapsulating the PCI message request in a Fibre Channel (FC) packet; and
transmitting the encapsulated FC packet to a remote host bus adapter.

19. The method of Claim 18, wherein the PCI message request is a Fusion Message Passing Technology request.

20. The method of Claim 18, wherein transmission of the encapsulated FC packet occurs over an FC link.

21. The method of Claim 18, wherein the encapsulated FC packet is used by the local host bus adapter to configure and update the remote host bus adapter.